JUN 12 2003 JUN 20

CERTIFICATE OF MAILING

RTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH STATES POSTAL SERVICE WITH SUFFICIENT POSTAGE AS FIRST-

CLASS MAIL IN AN ENVELOPE ADDRESSED TO:

COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450

ON June 9, 2003

June 9, 2003

Attorney Docket No. B2368.

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THE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Richard M. Hindley

June 9, 2003

Appln No.:

457,272

Examiner: R. Gerstl

Filed:

December 27, 1989

For:

NOVEL COMPOUNDS

Patent No.:

5,002,953

Certificate

Issue Date:

March 26, 1991

JUN 1 6 2003

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

of Correction

REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 C.F.R. §1.322

Sir:

It is respectfully requested that a Certificate of Correction under the seal of the U.S. Patent and Trademark Office be issued to correct the errors which appear in the printed patent as a result of Patent and Trademark Office mistakes. Attached hereto in duplicate is Form PTO-1050.

Respectfully submitted,

Kathryn V. Sieburth Attorney for Patentee Registration No. 40,072

GLAXOSMITHKLINE
Corporate Intellectual Property - UW2220
P.O. Box 1539
King of Prussia, PA 19406-0939
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N:kkls\cases\b2368\Cert Correct PTO Error.doc

Approved for use through 09/30/2000. OMB 0651-0033

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(Also Form PTO-1050)

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO :

5,002,953

Page 1 of 7

DATED

March 26, 1991

INVENTOR(S):

Richard M. HINDLEY

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 2:

Line 39, delete "." and insert --,--

Column 5:

Line 57, delete "RIHN(CH₂)n \longrightarrow O \longrightarrow " and insert $-R^1$ HN(CH₂)n \longrightarrow O \longrightarrow --

Column 7:

Line 11, delete "A²," and insert --A²,--

Column 11:

Line 36, delete "2[N-" and insert --2-[N--Line 38, before "sulphoxide" insert --dimethyl--

Lines 64, after dryness, insert --.--

Column 12:

Line 14, delete "solutiOn", and insert --solution--

Column 13:

Line 17, delete "pvrimidinyl" and insert --pyrimidinyl--Line 68, delete "0"

MAILING ADDRESS OF SENDER:

PATENT NO. 5,002,953

P.O. Box 1539 UW 2220 King of Prussia, PA 19406-0939

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO :

5,002,953

Page 2 of 7

DATED

March 26, 1991

INVENTOR(S):

Richard M. HINDLEY

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 14:

Line 3, delete "2" and insert --s--

Line 3, delete "0" and insert --9--

Column 15:

Line 37, delete "(D2O)" and insert -- D2O--

Line 37, insert --.-- after "7" (second occurrence)

Line 51, delete "N(2" and insert -- N-(2--

Column 16:

Line 31, before "2-(N", insert --4-[--

Line 32, delete "1" and insert --]--

Column 17:

Line 23, delete "1amino)" and insert -- Jamino)--

Column 18:

Line 12, delete "(4,5dime-", and insert --(4,5-dime- --

Column 19:

Line 5, delete "ethoxy]ben-" and insert --ethoxy]-ben- --

MAILING ADDRESS OF SENDER:

PATENT NO. 5,002,953

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO :

5,002,953

Page 3 of 7

DATED

March 26, 1991

INVENTOR(S):

Richard M. HINDLEY

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 20:

Line 55, delete "ethoxy)ben-" and insert --ethoxy)-ben- --

Column 21:

Line 7, delete "4-3" and insert --4-[3--Line 47, delete "2 1" and insert --2.1--

Column 22:

Line 2, delete "amino1" and insert --amino]--

Line 13, delete "m®thylamino)" and insert --methylamino)--

Line 23, delete "D20" and insert -- D20--

Line 27, delete "BenzoxazolV1)" and insert --Benzoxazolyl)--

Line 27, delete "amino1" and insert --amino]--

Column 23:

Line 33, delete "amino1" and insert -amino]--

Line 52, delete "CDC133.0" and insert --CDC133.0--

Line 66, delete "r'ixture" and insert --mixture--

Column 24:

Line 39, delete "methanesulchonyl" and insert --methanesulphonyl--

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO :

5,002,953

Page 4 of 7

DATED

March 26, 1991

INVENTOR(S):

Richard M. HINDLEY

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 25:

Line 12, delete "D20" and insert -- D20--

Line 26, delete "amino) ethoxy]" and insert --amino)ethoxy]--

Line 37, delete "ethoxy1]" and insert --ethoxy]--

Line 40, delete current structure, and insert

Line 65, before "A solution" insert

Column 26:

Line 24, delete "amino) ethoxy]-" and insert --amino)ethoxy]--

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Burden Hour Statement: This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO :

5,002,953

Page 5 of 7

DATED

March 26, 1991

INVENTOR(S):

Richard M. HINDLEY

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 27:

Line 33, insert before "2-(N-Methyl" and insert -5-(4-[--

Line 34, delete "ethoxy1" and insert -ethoxy]--

Line 51, before "2-(N-Methyl", insert --[--

Column 28:

Line 49, before "2-(N-Methyl", insert --[--Line 50, delete "ethoxyl" and insert --ethoxy]--

Column 29:

Line 3, before "2-(N-Methyl", insert --[--Line 26, delete "5-(4[2" and insert --5-(4-[2--

Column 30:

Line 3, delete "5-(4[2" and insert --5-(4-[2--

Line 3, before "2-(4", insert --[2-(4---

Line 28, before "2-(4", insert --[2-(4---

Line 39, delete "methyl -N-" and insert --methyl-N- --

Line 49, delete "5-(4-2" and insert --5-(4-[2--

Column 31:

Line 45, delete "5-(4[2" and insert --5-(4-[2--

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO :

5,002,953

Page 6 of 7

DATED

March 26, 1991

INVENTOR(S):

Richard M. HINDLEY

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 32:

Line 5, delete "5-(4[2" and insert --5-(4-[2--

Line 5, delete "2-(4,5-" and insert --2-(4,5- --

Line 5, delete "Jamino)e-" and insert -- Jamino)-e- --

Line 24, delete "5-4-" and insert --5-[4--

Line 24, delete "benzv11" and insert --benzyl]--

Line 53, delete "benzylidenel" and insert --benzylidene]--

Column 34:

Line 32, delete "5-(4-3-" and insert --5-(4-[3- --

Line 54, before "4-[3-", insert --5-(--

Column 35:

Line 6, delete "5-(4[2" and insert --5-(4-[2--

Line 7, delete "2,4-" and insert -- -2,4- --

Line 64, delete "DMSO-d₆1.70" and insert --DMSO-d₆1.70--

Column 36:

Line 3, delete "5(4-" and insert --5-(4- --

Line 17, delete ")amino" and insert --)-amino--

Line 19, delete "CDC1₃1.85" and insert --CDC1₃1.85--

Line 28, delete "2,4-" and insert -- -2,4- --

Line 42, delete "DMSO-d₆3.80" and insert -- DMSO-d₆3.80--

Line 64, delete "DMSO-d₆3.10" and insert -- DMSO-d₆3.10--

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PATENT NO. 5,002,953

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO :

5,002,953

Page 7 of 7

DATED

March 26, 1991

INVENTOR(S):

Richard M. HINDLEY

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 37:

:

Line 2, delete "5-(4[2" and insert --5-(4-[2--Line 34, delete "With" and insert --with--

Column 40:

Line 55, delete "5" and insert --5--

Column 41:

Line 31, delete "ethoxy]benzyl)-" and insert --ethoxy]-benzyl)- --

Column 42:

Line 34, delete "5" and insert --5--

MAILING ADDRESS OF SENDER:

PATENT NO. 5,002,953

P.O. Box 1539 UW 2220 King of Prussia, PA 19406-0939

United States Patent [19]

Hindley

[11] Patent Number:

5,002,953

(I)

[45] Date of Patent:

Mar. 26, 1991

[5	4]	COM	OU	NDS

[75] Inventor: Richard M. Hindley, Surrey,

England

[73] Assignee: Beecham Group p.l.c., Brentford,

England

[21] Appl. No.: 457,272

[22] Filed: Dec. 27, 1989

thiazolidine-2,4-dione (ADD-3878) and its Derivatives", pp. 3585-3588, 3590, 3591*.

Primary Examiner-Robert Gerstl

Attorney, Agent, or Firm-Hopgood, Calimafde, Kalil,

Blaustein & Judlowe

[57]

ABSTRACT

Compounds of formula (I):

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 238,764, Aug. 30, 1988, abandoned.

[30] Foreign Application Priority Data

Nov. 30, 1987 [GB] United	Ringdom
---------------------------	---------

[51] Int. Cl.³ C07D 417/12; A61K 31/125; A61K 31/44; A61K 31/55

[56] References Cited

FOREIGN PATENT DOCUMENTS

008203 2/1980 European Pat. Off. .

OTHER PUBLICATIONS

Chemical and Pharmaceutical Bulletin, vol. 30, No. 10, Oct. 1982, pp. 3580-3600, Tokyo, JP; T. Sohda et al. "Studies on Antidiabetic Agents, (II.1) Synthesis of 5-[4-(1-methylcyclohexylmethoxy)-benzyl]-

or a tautomeric form thereof, or a pharmaceutically acceptable salt thereof, or a pharmaceutically acceptable solvate thereof, wherein:

A¹ represents a substituted or unsubstituted aromatic heterocyclyl group;

R¹ represents a hydrogen atom, an alkyl group, an acyl group, an aralkyl group, wherein the aryl moiety may be substituted or unsubstituted, or a substituted or unsubstituted aryl group;

R² and R³ each represent hydrogen, or R² and R³ together represent a bond;

A² represents a benzene ring having in total up to five substituents; and

n represents an integer in the range of from 2 to 6; pharmaceutical compositions containing such compounds and the use of such compounds and compositions in medicine.

55 Claims, No Drawings